

FIG. 3 PRIOR ART

Second Delay Adjust
- Signal Input;
Inductive Control
213 203 Stub Matching Structure having a virtual inductor and a variable capacitance Transmission line 401 Group Delay Adjuster 201 First Delay Adjust
Signal input; —
Capacitive Control
212 Input

S/N: -----Docket No.: 89160.0033
Title: SYSTEM AND METHOD FOR ADJUSTING

GROUP DELAY Inv: Mark Gurvich, Alex Rabinovich, Nikolai Maslennikov and Jianquing He

S/N: ----Docket No.: 89160.0033
Title: SYSTEM AND METHOD FOR ADJUSTING
GROUP DELAY
Inv: Mark Gurvich, Alex Rabinovich,
Nikolai Maslennikov and Jianquing He Second Delay Adjust Signal Input; Inductive Control 213 203 502 Var having a virtual inductor 403 Stub Matching Structure Group Delay Adjuster 201 Transmission line 401

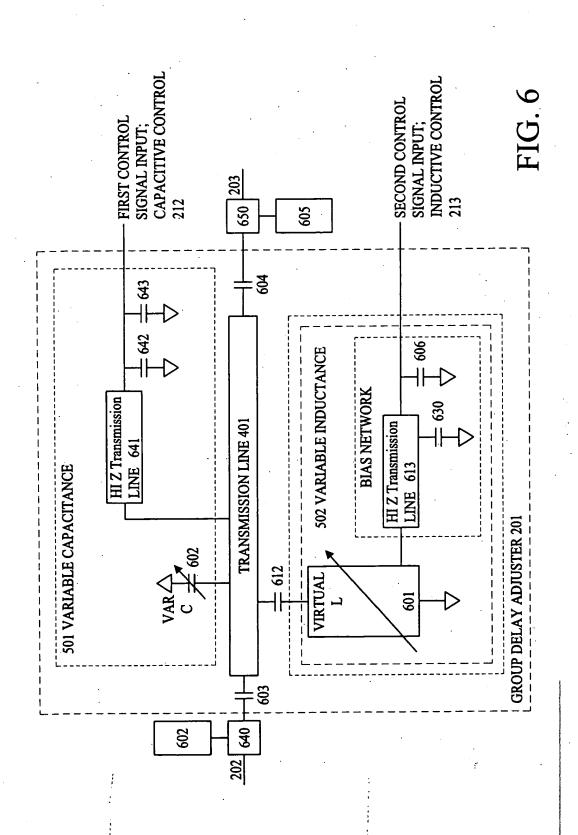
Var

First Delay Adjust
Signal input; —
Capacitive Control
212

202

501

FIG. 5



Inv: Mark Gurvich, Alex Rabinovich, Nikolai Maslennikov and Jianquing He

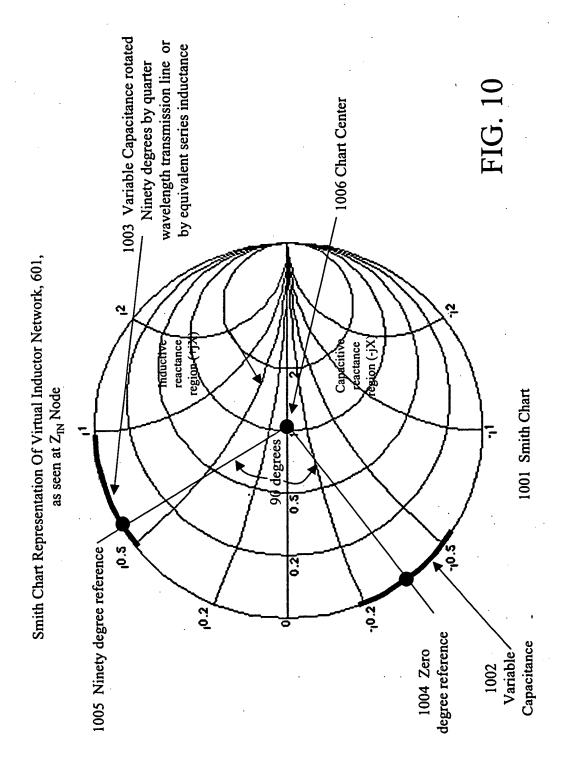
where f = frequency, L = inductance

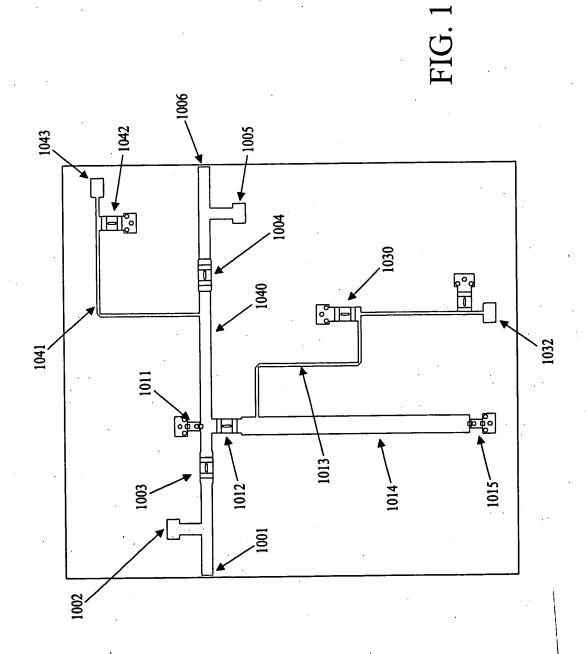
FIG. 7
PRIOR ART

S/N: ----Docket No.: 89160.0033
Title: SYSTEM AND METHOD FOR ADJUSTING GROUP DELAY
Inv: Mark Gurvich, Alex Rabinovich,
Nikolai Maslennikov and Jianquing He C SHUNT 802 = 90 degrees = 1/4 wavelength at frequency of operation Quarter Wavelength Transmission Line 801 Transmission line electrical length:

S/N: ----Docket No.: 89160.0033
Title: SYSTEM AND METHOD FOR ADJUSTING
GROUP DELAY
Inv: Mark Gurvich, Alex Rabinovich,
Nikolai Maslennikov and Jianquing He Second
Control
Signal Input;
Inductive
Control C SHUNT 802 909 630 Hi Impedance Transmission Line 613 Quarter Wavelength Line 801 Bias Network 901 301 Variable Inductance Virtual L 701 601

S/N: ----





S/N: -----

Docket No.: 89160.0033 Title: SYSTEM AND METHOD FOR ADJUSTING GROUP DELAY

Inv: Mark Gurvich, Alex Rabinovich, Nikolai Maslennikov and Jianquing He

